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Date: June 30, 2005

By: Maureen Golob
Maureen Golob

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

TAN, ET AL.

APPLICATION No.: 10/627,416

FILED: July 24, 2003

FOR: **ULTRASONIC ASSISTED ETCH USING
CORROSIVE LIQUIDS**

EXAMINER: L. Vinh

ART UNIT: 1765

CONF. NO: 2811

**Supplemental Information Disclosure Statement After First Office Action but
Before Final Action or Notice of Allowance – 37 C.F.R. § 1.97(c)**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

07/07/2005 SHASSEN1 00000012 10627416

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180.00 OP

1. Timing of Submission

The information transmitted herewith is being filed *after* three months of the filing date of this application or after the mailing date of the first Office action on the merits, whichever occurred last, but *before* the mailing date of either a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. §1.311, whichever occurs first. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

☒ Copies of the following references are enclosed:

- ☐ All cited references
- ☒ All cited references except U.S. patents and publications
- ☐ References marked by asterisks
- ☐ The following:

- ☒ The following references are not in English. For each such reference, the undersigned has enclosed: (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference; (iii) a copy of a reference which appears to be an English-language counterpart; or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.

- ☐ All cited references
- ☐ References marked by ampersands
- ☒ The following: JP 11-290805

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. Fee Payment (37 C.F.R. § 1.97(c)) or Certification (37 C.F.R. § 1.97(e))

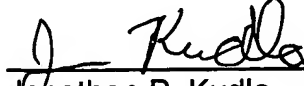
- ☒ Applicant elects to pay the fee under 37 C.F.R. § 1.17(p) \$180.00.
- ☒ Check enclosed for \$180.00
 - ☒ Please charge any underpayment for timely filing of this paper to Deposit Account No. 50-2207.

5. Patent Term Adjustment (37 C.F.R. § 1.704(d))

- ☐ The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,
Perkins Coie LLP

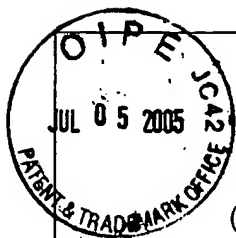
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**Form PTO-1449 (Modified)
(Use several sheets if necessary)**COMPLETE IF KNOWN**

Application Number	10/627,416
Confirmation Number	2811
Filing Date	July 24, 2003
First Named Inventor	Tan, <i>et al.</i>
Group Art Unit	1765
Examiner Name	L. Vinh
Attorney Docket No.	59081-8007.US01

Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		3,775,202		Meek, <i>et al.</i>	11/27/73	
		3,969,195		Dötzer, <i>et al.</i>	07/13/76	
		3,986,653		Gilding	10/19/76	
		3,992,454		Kessler	11/16/76	
		4,023,936		Morse, <i>et al.</i>	05/17/77	
		4,078,963		Symersky	03/14/78	
		4,101,386		Dötzer, <i>et al.</i>	07/18/78	
		4,139,348		Swartz	02/13/79	
		4,197,631		Meyer, <i>et al.</i>	04/15/80	
		4,214,952		Sato, <i>et al.</i>	07/29/80	
		4,232,060		Mallory, Jr.	11/04/80	
		4,272,612		Oliver	06/09/81	
		4,327,134		Baldi	04/27/82	
		4,367,119		Logan, <i>et al.</i>	01/04/83	
		4,447,824		Logan, <i>et al.</i>	05/08/84	
		4,448,800		Ehara, <i>et al.</i>	05/15/84	
		4,459,155		Cayless	07/10/84	
		4,519,914		Etani	05/28/85	
		4,530,120		Etani	07/23/85	
		4,579,569		Sheng, <i>et al.</i>	04/01/86	
		4,638,553		Nilarp	01/27/87	
		4,699,082		Hakim	10/13/87	
		4,863,561		Freeman, <i>et al.</i>	09/05/89	
		4,971,590		Tong	11/20/90	
		4,980,017		Kaji, <i>et al.</i>	12/25/90	
		5,104,501		Okabayashi	04/14/92	
		5,152,878		Datta, <i>et al.</i>	10/06/92	
		5,365,112		Ohshima	11/15/94	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/627,416
				Confirmation Number	2811
				Filing Date	July 24, 2003
				First Named Inventor	Tan, <i>et al.</i>
				Group Art Unit	1765
Examiner Name	L. Vinh				
Sheet	2	of	3	Attorney Docket No.	59081-8007.US01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		5,593,339		Yam, <i>et al.</i>	01/14/97	
		5,614,027		Dunn, <i>et al.</i>	03/25/97	
		5,665,473		Okoshi, <i>et al.</i>	09/09/97	
		5,744,214		Berasi, <i>et al.</i>	04/28/98	
		5,766,979		Budnaitis	06/16/98	
		5,840,402		Roberts, <i>et al.</i>	11/24/98	
		5,888,308		Sachdev, <i>et al.</i>	03/30/99	
		5,891,354		Lee, <i>et al.</i>	04/06/99	
		5,908,819		Reynolds, <i>et al.</i>	06/01/99	
		5,929,521		Wark, <i>et al.</i>	07/27/99	
		5,966,593		Budnaitis, <i>et al.</i>	10/12/99	
		6,012,966		Ban, <i>et al.</i>	01/11/00	
		6,187,216		Dryer, <i>et al.</i>	02/13/01	
		6,569,252		Sachdev, <i>et al.</i>	05/27/03	
		6,579,153		Uchikura, <i>et al.</i>	06/17/03	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
		JP	11-290805		Hideo, <i>et al.</i>	10/26/99		

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Sheet	3	of	3	Attorney Docket No.	59081-8007.US01

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		Hoffman, H.S., Molybdenum Cleaning Solution, <i>IBM Technical Disclosure Bulletin</i> , <u>3</u> (5):36, (1960).	
		<i>Metrology for Manufacturing: Surface Measurement</i> . [online] Michigan Technological University, undated [retrieved on 2005-06-21]. Retrieved from the Internet: <URL: http://www.mfg.mtu.edu/cyberman/quality/metrology/surface.html >.	
		Spring, S., <u>METAL CLEANING</u> , Reinhold Publishing Corporation, New York, pps. 85-89, (1963).	

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